CIVIL TECH LABS

Accredited by **NABL** as per ISO/IEC 17025 : 2005

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2367 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer
Yelahanka Sub Division,
BBMP, Bangalore.

10th January 2015

Dear Sir,

Sub: Testing of Materials.

As requested, tests on physical properties were carried out for the materials supplied by you, for the work of **'Construction of CC roads at balance cross roads of Kenchenahalli in ward no-02 of Yelahanka Sub Division'.**

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

(KHUSHBOO L.)
Quality Manager

TEST REPORT

TEST ON COARSE AGGREGATES 20mm ↓ Graded Ref:IS:383/2386

Name & Address of the Customer	ACE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC roads at balance cross roads of Kenchenahalli in ward no 02 of Yelahanka Sub Division.
Name of the Agency	Sri. T. C. Prathap
Date of Testing	10/01/2015
Specific Gravity	2.62
Water Absorption in %	0.32

IS Sieve Designation (mm)	Sieve Analysis (% Passing in Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)	Remarks
40	100	100	Satisfies the requirement
20	98.9	95-100	
10	36.2	25-55	
4.75	7.9	0-10	

Note:

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2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech Labs

TEST REPORT

TEST ON COARSE AGGREGATES 40mm ↓ Graded Ref IS 383/2386

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC roads at Balence cross roads of Kenchenahalli in ward no-02 of Yelahanka Sub Division
Name of the Agency	Sri. T. C. Prathap
Date of Testing	10/01/2015
Specific Gravity	2.68
Water Absorption in %	0.29

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)	Remarks
80	100	100	Satisfies the requirement
40	99.1	95-100	
20	54.8	30-70	
10	24.3	10-35	
4.75	3.5	0-5	

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Lab Incharge
Civil Tech Labs

TEST REPORT

TEST ON FINE AGGREGATES Ref:IS:383/2356

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC roads at balance cross roads of Kenchenahalli in ward no-02 of Yelahanka Sub Division.
Name of the Agency	Sri. T. C. Prathap
Date of Testing	10/01/2015
Specific Gravity	2.56

Sample	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970				Grading Zone
			ZONE-I	ZONE-II	ZONE-III	ZONE-IV	
River Sand	10	100	100	100	100	100	II
	4.75	98.8	90-100	90-100	90-100	95-100	
	2.36	86.3	60-95	75-100	85-100	95-100	
	1.18	74.8	30-70	55-90	75-100	90-100	
	0.6	48.1	15-34	35-59	60-79	80-100	
	0.3	24.4	5-20	8-30	12-40	15-50	
	0.15	7.9	0-10	0-10	0-10	0-15	

Notes:

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Lab Incharge
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TEST REPORT

TEST ON CEMENT

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC roads at Sathanur cross, roads of Kenchenahalli in ward no 42 of Yelahanka Sub Division.
Name of the Agency	Sri. T. C. Pathap
Date of Testing	10/01/2015

Tests	**Test Method As Per IS & Apparatus**		**Results**		**Requirements As Per IS 8112:1989**	**Remarks**
	IS Code	**Method**	**Value**	**Unit**		
Initial Setting Time	**IS-4031 (Part-5) 1988**	VICAT	52	min	Not Less Than 30 Minutes	Satisfies Requirement
Final Setting Time	**IS-4031 (Part-5) 1988**	VICAT	489	min	Not More Than 600 Minutes	Satisfies Requirement
Soundness	**IS-4031 (Part-3) 1988**	LE-CHATELIER	4	mm	Not More Than 10 mm	Satisfies Requirement

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Lab Incharge
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TEST REPORT

TEST REPORT ON REINFORCEMENT STEEL BARS 8 mm

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC roads at balance cross roads of Kenchenahalli in ward no 02 of Yelahanka Sub Division
Name of the Agency	Sri. T. C. Prathap
Date of Test	10/01/2015

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	8	8	Satisfactory
2	Wt/m Length (Kg/m)	0.395	0.395	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	419	415	Satisfactory
6	U T S (N/Sq.mm)	524	485	Satisfactory

Note:

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4. The results are based on the test conducted on samples supplied by the client.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

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CIVIL TECH LABS
1, 1st Cross, Sathya Colony, Yelahanka, Bangalore - 560064
Ph: 080 - 28463567, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 12mm

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC roads at balance cross roads of Kenchenahalli in ward no.02 of Yelahanka Sub Division.
Name of the Agency	Sri. T. C. Prathap
Date of Test	10/01/2015

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	12	12	Satisfactory
2	Wt./m Length (Kg/m)	0.889	0.888	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.8	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	424	415	Satisfactory
6	U T S (N/Sq.mm)	530	485	Satisfactory

Note:

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Lab Incharge
Civil Tech Labs

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TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 10mm

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC roads at balance cross roads of Kenchenahalli in ward no 02 of Yelahanka Sub Division.
Name of the Agency	Sri. T. C. Prathap
Date of Testing	10/01/2015

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	10	10	Satisfactory
2	Wt/m Length (Kg/m)	0.617	0.617	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.6	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	422	415	Satisfactory
6	U T S (N/Sq.mm)	528	485	Satisfactory

Note:

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4. The results are based on the test conducted on samples supplied by the client.

Lab Incharge
Civil Tech Labs

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AEE

CIVIL TECH LABS
#1, 1st Cross, Shankara Colony, Mandur Road, Bangalore - 560 077
Mobile : 9731036567, Email : civiltechlabs@gmail.com

TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 16 mm

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC roads at balance cross roads of Kruchenahalli in ward no 02 of Yelahanka Sub Division.
Name of the Agency	Sri. T. C. Pradeep
Date of Testing	10/01/2015

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	16	16	Satisfactory
2	Wt/m Length (Kg/m)	1.59	1.58	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	16.1	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	427	415	Satisfactory
6	U T S (N/Sq.mm)	534	485	Satisfactory

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4. The results are based on the test conducted on samples supplied by the customer.

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AEE

Lab Incharge
Civil Tech Labs

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5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer
Yelahanka Sub Division,
BBMP, Bangalore.

13th February 2015

Dear Sir,

Sub: Construction of CC roads at balance cross roads of Kenchenahalli in ward no-02 of Yelahanka Sub Division.
Testing of cubes – Reg.

As requested the 28th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Report of the above.

Thanking you,

For Civil Tech Labs,

(KHUSHBOO L.)
Quality Manager

CIVIL TECH LABS
#7, 1st Cross, Nanjappa Colony, Mysuru Road, Bangalore - 560 026
Ph: 080 - 41122567, Email: civiltechlabs@gmail.com

TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC roads at balance cross roads of Kenchenahalli in ward no-02 of Yelahanka Sub Division.
Name of Agency	Sri. T. C. Prathap
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mm×150mm×150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC-Work	16/01/2015	13/02/2015	28	8.17	476	**20.69**	**20.96**
2					8.18	480	**21.33**	
3					8.16	465	**20.67**	

Note:

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Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

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Accredited by NABL as per ISO/ IEC 17025 : 2005

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96562 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer
Yelahanka Sub Division,
BBMP, Bangalore.

17th February 2015

Dear Sir,

Sub: Construction of CC roads at balance cross roads of Kenchenahalli in ward no-02 of Yelahanka Sub Division.
Testing of cubes – Reg.

As requested the 28th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Report of the above.

Thanking you,

For Civil Tech Labs,

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Quality Manager

CIVIL TECH LABS

TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Sub Division, UDMP
Name of Work	Construction of CC roads at balance cross roads of Kempenahalli in ward no-02 of Yelahanka Sub Division.
Name of Agency	Sri. T. C. Pratap
Grade of Concrete	M-30
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC Work	20/01/2015	17/02/2015	28	8.17	710	31.56	31.78
2					8.19	720	32.00	
3					8.18	715	31.78	

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Lab Incharge
Civil Tech Labs